EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	18	"598622"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/01 17:12
S2	720	B23K26/08.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/23 15:45
S3	2521	219/121.6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/23 15:45
S4	2078	219/121.85	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/23 15:45
S5	2175	219/121.63	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/23 15:45
S6	2315	219/121.64	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/23 15:46
S7	1095	219/121.78	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/23 15:46

S8	425	219/121.79	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/23 15:46
S9	265	219/121.81	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/23 15:46
S10	982	219/121.82	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/23 15:46
S11	1933	219/121.67	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/23 15:47
S12	2598	219/121.68	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/23 15:47
S13	2875	219/121.69	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/23 15:47
S14	684	219/121.8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/23 15:47
S15	609	901/42	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/23 15:48

S19	5	"10335501"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/23 15:52
S20	22	"4335367"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/23 15:52
S21	5	"2005030427"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/23 15:54
S22	10	"2663583"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/23 15:55
S23	21	"1038640"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/23 15:55
S24	8	"5138374"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/23 16:18
S25	11	(((fiber or disk or disc or YAG or nd or diode) adj2 (laser or beam)) same (cable or (fiber with optic with cable)) same (tool or tools or conveyor or convey$4 or tooling or clamping or clamp$4 or (clamping adj (fram$4))) same (manipulator or robot or robots or manipulators or (arm with robot$2)) same (control or controller or control$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/23 17:56

S29	488	((fiber or disk or disc or YAG or nd or diode) adj2 (laser or beam)) and (cable or (fiber with optic with cable)) and (tool or tools or conveyor or convey$4 or tooling or clamping or clamp$4 or (clamping adj (fram$4))) and (manipulator or robot or robots or manipulators or (arm with robot$2)) and (control or controller or control$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/23 18:00
S30	305	((fiber or disk or disc or YAG or nd or diode) adj2 (laser or beam)) and (cable or (fiber with optic with cable)) and (conveyor or convey$4 or clamping or clamp$4 or (clamping adj (fram$4))) and (manipulator or robot or robots or manipulators or (arm with robot$2)) and (control or controller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/23 18:02
S31	79	((fiber or disk or disc or YAG or nd or diode) adj2 (laser or beam)) and (cable or (fiber with optic with cable)) and (conveyor or convey$4 or clamping or clamp$4 or (clamping adj (fram$4))) and (manipulator or robot or robots or manipulators or (arm with robot$2)) and (control or controller) and (vehicle or vehicles or automobile or automobiles or car or cars)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/23 18:03
S32	2	("20030192867").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 14:52
S33	1	(10/412907).APP.	USPAT; USOCR	OR	OFF	2009/12/24 14:53

S34	2	("20010042737").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 14:53
S35	1	(09/832206).APP.	USPAT; USOCR	OR	OFF	2009/12/24 14:54
S36	2	("5012069").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 14:55
S37	2	(10/335501).APP.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 14:55
S38	5	"2007062916"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 15:05
S39	5	("2007062916").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 15:05
S40	9	("1038640").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 15:06
S41	2	("6340875").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 15:07
S42	2	("4855565").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 15:16

S46	2	(laser adj source) with (laser adj tool) with (laser adj beam) with (robot or arm or manipulator or (robot adj arm) or (arm adj robot))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 16:12
S47	3	(laser adj source) same (laser adj tool) same (laser adj beam) same (robot or arm or manipulator or (robot adj arm) or (arm adj robot))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 16:23
S48	27	(laser adj source) and (laser adj tool) and (laser adj beam) and (robot or arm or manipulator or (robot adj arm) or (arm adj robot))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 16:24
S49	64	(laser adj tool) and (laser or beam) and (robot or arm or manipulator or (robot adj arm) or (arm adj robot)) and (weld$4 or machining)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 16:53
S50	56	S49 and (control$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 16:54
S51	636	((laser or beam) and ((robot or manipulator) adj2 control$4) and (weld$4 or machining or cut$4) and (automotive or automotives or car or cars or vehicle or vehicles))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 17:39
S52	32	(((laser or beam) with ((robot or manipulator) adj2 control$4) with (weld$4 or machining or cut$4)) and (automotive or automotives or car or cars or vehicle or vehicles))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 17:41
S53	2522	219/121.6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 18:10

S54	2078	219/121.85	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 18:10
S55	2177	219/121.63	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 18:10
S56	2316	219/121.64	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 18:10
S57	1095	219/121.78	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 18:10
S58	425	219/121.79	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 18:10
S59	265	219/121.81	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 18:10
S60	982	219/121.82	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 18:10
S61	1936	219/121.67	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 18:10

S62	2599	219/121.68	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 18:10
S63	2877	219/121.69	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 18:10
S64	684	219/121.8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 18:10
S65	609	901/42	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 18:10
S66	10241	S53 or S54 or S55 or S56 or S57 or S58 or S59 or S60 or S61 or S62 or S63 or S64 or S65	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 18:10
S67	471	S66 and ((robot or manipulator) with (tool$4 or clamp$4 or convey$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 18:15
S68	433	S67 and (controller or control$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 18:16
S69	219	S67 and (controller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 18:16

S70	6	S69 and (computer with keyboard)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 18:18
S71	214	S66 and ((robot or manipulator) with (clamp $4 or convey$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 18:22
S72	101	S71 and (automobiles or automobile or car or cars or vehicles or vehicle)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 18:24
S73	720	B23K26/08.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 18:29
S74	104	(S66 or S73) and ((robot or manipulator) with ((six or multiple or plurality) adj (axes or axis or axial)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 18:29
S75	90	(S66 or S73) and ((robot or manipulator) with (six adj (axes or axis or axial)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 18:30
S76	71	S75 and arm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 18:31
S77	57	S76 and (clamp$4 or tool $4 or convey$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 18:32

S78	29	S77 and (computer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 18:32
S79	29	S78 and (controller or control$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 18:33
S80	1	(S77 or S73) and ((manipulator or robot) adj2 (hand adj (axes or axe or axial))) and ((laser or beam) adj2 (deflection or deflect$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 18:59
S81	1	((manipulator or robot) adj2 (hand adj (axes or axe or axial))) and ((laser or beam) adj2 (deflection or deflect$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 19:00
S82	9	((manipulator or robot) adj2 (hand adj (axes or axe or axial)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 19:00
S84	3441	((robot or manipulator) with (keyboard or computer)) and (laser or beam)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 19:09
S85	174	((robot or manipulator) with (keyboard)) and (laser or beam)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 19:09
S86	102	S85 and (weld$4 or machining or machin$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 19:10

S87	70	S85 and (weld$4 or machining or machin$4) and (automobiles or automobile or car or cars or vehicles or vehicle or body or bodies)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 19:10
S88	4	S87 and (S66 or S73)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 19:11
S89	10930	(robots or manipulators) and (laser or beam)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 19:19
S90	7301	(robots or manipulators) and (laser or beam) and (keyboard or computer or controller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 19:19
S91	6239	(robots or manipulators) and (laser or beam) and (keyboard or computer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 19:20
S92	25	(robot or manipulator) and ((laser or beam) adj3 (focal adj2 distance))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/24 19:23
S93	1	(((robot or manipulator) with (hand adj (axes or axials or axis or axial))) same ((laser adj2 head) or beam or laser) same (controller or control$4) same (vehicles or vehicle or bodywork or bodyworks or car or cars or automobiles or automobile or (vehicle adj2 (bodies or body))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/26 21:05

S94	9	(((robot or manipulator) with (hand adj (axes or axials or axis or axial))) and ((laser adj2 head) or beam or laser) and (controller or control$4) and (vehicles or vehicle or bodywork or bodyworks or car or cars or automobiles or automobile or (vehicle adj2 (bodies or body))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/26 21:06
S95	10064	"901".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/26 21:06
S96	1	(((robot or robots or manipulators or manipulator) with (hand adj (axes or axials or axis or axial))) same ((laser adj2 head) or beam or laser) same (controller or control$4) same (vehicles or vehicle or bodywork or bodyworks or car or cars or automobiles or automobile or (vehicle adj2 (bodies or body))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/26 21:07
S97	3	(((robot or robots or manipulators or manipulator) with (hand adj (axes or axials or axis or axial))) same ((laser adj2 head) or beam or laser) and (controller or control$4) and (vehicles or vehicle or bodywork or bodyworks or car or cars or automobiles or automobile or (vehicle adj2 (bodies or body))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/26 21:07
S98	2327	((robot or manipulator) and ((laser adj2 head) or beam or laser) and (controller) and (weld$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/26 21:13

S99	713	S98 and ((computer or cpu) with (keyboard or keyboards or input or inputs or operator or user or users or operators))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/26 21:16
S100	575	S98 and ((computer or cpu) with (keyboard or keyboards or input or inputs))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/26 21:16
S101	166	S98 and ((computer or cpu) with (keyboard or keyboards))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/26 21:16
S102	392	((robot or manipulator) same ((laser adj2 head) or beam or laser) same (controller) and (weld$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/26 21:17
S103	374	((robot or manipulator) same ((laser adj2 head) or beam or laser) same (controller) and (welding))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/26 21:19
S105	1387	((robot or manipulator) same ((laser adj2 head) or beam or laser) same (welding))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/26 21:19
S106	20	S105 and ((computer or cpu) with (keyboard or keyboards))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/26 21:22
S107	30	S105 and (focal adj2 distance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/26 21:27

S108	298	((robots or manipulators) same ((laser adj2 head) or beam or laser) same (welding))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/26 21:28
S109	2553	219/121.6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 22:07
S110	2106	219/121.85	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 22:07
S111	2198	219/121.63	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 22:07
S112	2359	219/121.64	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 22:07
S113	1109	219/121.78	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 22:07
S114	428	219/121.79	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 22:07
S115	270	219/121.81	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 22:07

S116	997	219/121.82	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 22:07
S117	1975	219/121.67	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 22:07
S118	2645	219/121.68	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 22:07
S119	2937	219/121.69	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 22:07
S120	692	219/121.8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 22:07
S121	615	901/42	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 22:07
S122	41	(S109 or S110 or S111 or S112 or S113 or S114 or S115 or S116 or S117 or S118 or S119 or S120) and S121	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 22:07
S123	3279	((robot or manipulator or robots or manipulators) and (((laser adj2 head) or (beam or laser or lasers or beams)) with (weld$4)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 22:10

S124	87	(S123) and (S122 or S110)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 22:13
S125	912	S123 and (vehicles or vehicle or bodywork or bodyworks or car or cars or automobiles or automobile or (vehicle adj2 (bodies or body)) or autobody or autobodies)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 22:15
S127	911	S123 and (vehicles or vehicle or car or cars or automobiles or automobile)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 22:16
S128	348	((robot or manipulator or robots or manipulators) and ((((laser adj2 head) or (beam or laser or lasers or beams)) with weld$4) same (vehicles or vehicle or car or cars or automobiles or automobile)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 22:19
S129	2634	((robot or manipulator) and (((laser adj2 head) or (laser or lasers)) same (weld$4)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 22:28
S130	58	S129 and ((cpu or CPU or computer) with (keyboards or keyboard))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 22:29
S131	70	S129 and (fiber adj laser)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 22:31
S132	0	S130 and (fiber adj laser)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 22:31

S133	0	S130 and (disk adj laser)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 22:31
S134	2384	((robot or manipulator) and (((laser adj2 head) or (laser or lasers)) with (weld$4)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 22:39
S135	2384	((robot or manipulator) and (((laser adj2 head) or (laser or lasers)) with weld$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 22:41
S136	434	(S109 or S110 or S111 or S112 or S113 or S114 or S115 or S116 or S117 or S118 or S119 or S120) and S135	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 22:41
S137	767	B23K26/08.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 22:42
S138	11065	(S109 or S110 or S111 or S112 or S113 or S114 or S115 or S116 or S117 or S118 or S119 or S120 or S121 or S137)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 22:42
S140	518	S138 and S135	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 22:44
S141	12	S140 and (focal adj distance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 22:45
S142	18	((PETER) near2 (RIPPL)).INV.	EPO; JPO; DERWENT	OR	OFF	2010/03/27 22:47
S143	6	((ANTON) near2 (ENGLHARD)).INV.	EPO; JPO; DERWENT	OR	OFF	2010/03/27 22:47

S144	3	((ANTON) near2 (ENGLHARD)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/27 22:47
S145	8	((PETER) near2 (RIPPL)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/27 22:48
S146	6	((JOHANN) near2 (HESSE)).INV.	EPO; JPO; DERWENT	OR	OFF	2010/03/27 22:48
S147	4	((JOHANN) near2 (HESSE)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/27 22:48
S148	1	S121 and ((disk or fiber) adj (laser))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 22:54
S149	3	S121 and (((disk or fiber) adj2 laser) or (laser adj2 (disk or fiber)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 23:02
S150	805	S138 and (((disk or fiber) adj2 laser) or (laser adj2 (disk or fiber)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 23:06
S151	439	S138 and (((disk or fiber) adj laser) or (laser adj (disk or fiber)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 23:07
S152	5	S140 and ((len or lens) with ((focal or focus$4) adj distance))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 23:11
S153	2	"20050061781"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 23:15
S154	1	(10/488739).APP.	USPAT; USOCR	OR	OFF	2010/03/27 23:16
S155	11065	(S109 or S110 or S111 or S112 or S113 or S114 or S115 or S116 or S117 or S118 or S119 or S120 or S121 or S137)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 23:18

S156	4	S155 and ((robot or robots or manipulator or manipulators) and ((laser or lasers) with ((section or sectional or multiple or multiples or divisional) adj (energy or energies))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 23:28
S157	30	S155 and ((laser or lasers) with ((section or sectional or multiple or multiples or divisional) adj (energy or energies)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 23:30
S158	17	S155 and ((robot or robots or manipulator or manipulators) and (laser or lasers) and (control$4 or controller) with (beam adj2 (deflect$4 or displacement or displace $4)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 23:36
S159	57	S155 and ((robot or robots or manipulator or manipulators) and (laser or lasers) and ((fiber or optic or cable) with (couplers or couplings or coupler or coupling)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 23:46
S161	2	("4764655").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 23:58
S164	217	"34597"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/29 11:58
S165	19	(robot adj laser adj system)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/29 11:59
S166	2	("5267683").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/29 12:06

S167	24	("4483476" | "4535927" | "4736515" | "4905884" | "5010634").PN. OR ("5267683").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/29 13:16
S168	2	("7442899").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/29 13:30
S169	4	("4893398" | "5267683" | "6378186" | "6457574"). PN. OR ("7442899"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/29 13:32
S171	1	S170 and ((laser adj2 (tools or tool)) with (clamp$4 or convey$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 14:14
S172	1389	((robot or manipulator) same ((laser adj2 head) or beam or laser) same (welding))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 14:17
S177	1715	"L16" and ("L18")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 14:27
S178	298	(US-20070199929-$ or US-20070172853-$ or US-20070059813-$ or US-20030192867-$ or US-20010042737-$ or US-20030136920-$ or US-20090248041-$ or US-20070278194-$ or US-20020019683-$ or US-20020044284-$ or US-20030207655-$ or US-20060074444-$ or US-20060175301-$ or US-20070063104-$ or US-20070189869-$ or US-20070222274-$ or US-20070229756-$ or US-20080083193-$ or US-20080083817-$ or US-20080099414-$ or US-20080193242-$ or US-20080251505-$ or US-	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/03/31 14:27

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(JP-10335501-$ or JP-

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S179	1389	((robot or manipulator) same ((laser adj2 head) or beam or laser) same (welding))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 14:27
S180	85	S178 and S179	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 14:27

S181	1	S179 and ((laser adj2 (tools or tool)) with (clamp$4 or convey$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 14:34
S182	5	(robot or robots or manipulator or manipulators) and ((laser adj2 (tools or tool)) with (clamp$4 or convey$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 14:35
S183	74	((robot or manipulator) same ((laser adj2 head) or beam or laser) same ((fiber or fibers or cables or cables) with (coupler or couplings or connector or connectors or sections or section)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 14:48
S184	39	((robot or manipulator) same ((laser adj2 head) or beam or laser) same ((fiber or fibers or cables or cables) with (coupler or couplings or connector or connectors)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 14:51
S185	0	((robot or manipulator or robots or manipulators) and ((laser adj source) with (laser adj machin$4 adj (tools or tools))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 15:04
S186	0	((robot or manipulator or robots or manipulators) and ((laser adj2 source) with (laser adj machin$4 adj2 (tools or tools))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 15:04
S189	2	("6555784").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 15:11
S190	6	("4820899" | "5272309" | "5430816" | "5580471"). PN. OR ("6555784"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/31 15:11

S191	575	laser same ((fiber adj optic$4 adj (cable or cables)) with (link or linking or ring or coupler or coupling))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 15:16
S192	2553	219/121.6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 15:17
S193	2108	219/121.85	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 15:17
S194	2198	219/121.63	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 15:17
S195	2360	219/121.64	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 15:17
S196	1109	219/121.78	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 15:17
S197	428	219/121.79	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 15:17
S198	270	219/121.81	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 15:17

S199	998	219/121.82	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 15:17
S200	1977	219/121.67	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 15:17
S201	2646	219/121.68	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 15:17
S202	2939	219/121.69	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 15:17
S203	692	219/121.8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 15:17
S204	615	901/42	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 15:17
S205	10435	(S192 or S193 or S194 or S195 or S196 or S197 or S198 or S199 or S200 or S201 or S202 or S203 or S204)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 15:17
S207	767	B23K26/08.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 15:21

S208	11070	(S192 or S193 or S194 or S195 or S196 or S197 or S198 or S199 or S200 or S201 or S202 or S203 or S204 or S207)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 15:21
S209	37	S191 and S208	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 15:21
S210	5	laser same (cables with (sections or section) with (link or linking or ring or coupler or coupling))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 15:36
S211	101	laser same (cables with (sections or section))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 15:36
S212	1428	((robot or manipulator) and (fiber adj optic$4 adj (cable or cables)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 15:53
S213	75	S212 and S208	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 15:54
S215	2	("6888096").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 17:07
S217	2	("5245682").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 17:37

S219	22	((robot or robots or manipulators or manipulator) and (laser or lasers or lasing) same ((series adj2 (fiber or fibers or cable or cables)) or((fiber or fibers or cable or cables) adj2 (series))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 17:41
S220	734	((robots or manipulators) with (controller or controlled)) and (laser)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 18:14
S221	734	(((robots or manipulators) with (controller or controlled)) and (laser))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 18:15
S222	43	S220 and S208	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 18:15
S224	2	("6100497").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 18:26
S225	10	("3586816" | "4560856" | "4607150" | "4654505" | "5484982").PN. OR ("6100497").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/31 18:26
S226	2	("6555784").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 19:07
S227	2	("20080000886").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/31 19:15

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